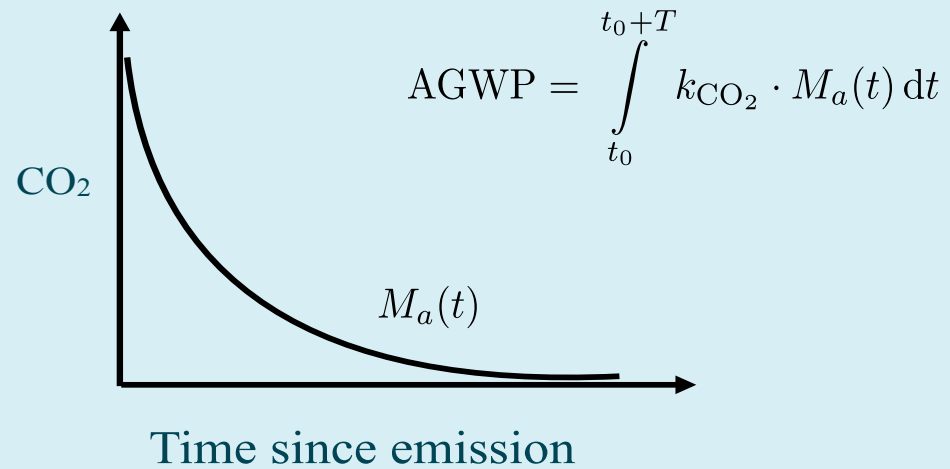


(a)

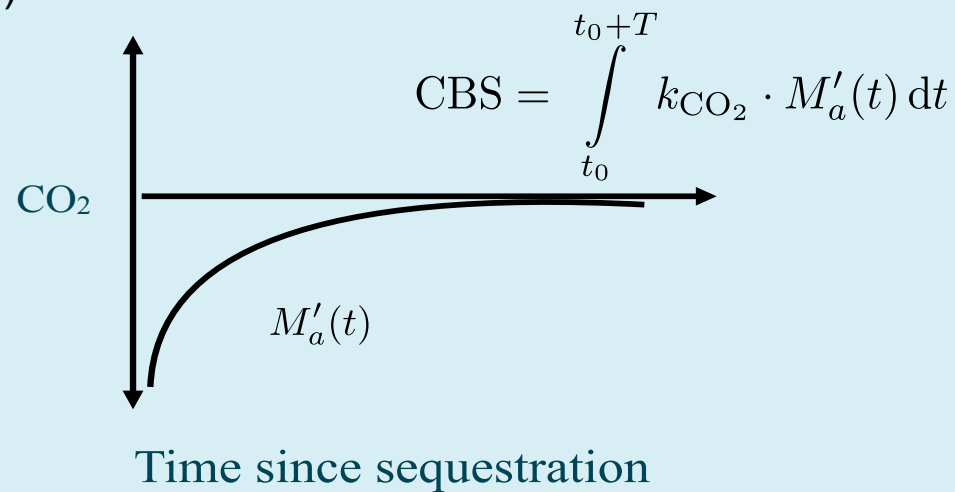
CO₂ emissionCO₂ uptake

Fate of ecosystem C
not considered

Atmosphere

Land

(b)

CO₂ releaseCO₂ uptakeEcosystem
C

$$\text{CS} = \int_{t_0}^{t_0+T} M_s(t) dt$$

 $M_s(t)$

Time since sequestration